

§ 21.133

27 CFR Ch. I (4-1-07 Edition)

(d) *Specific gravity at 15.56 °/15.56 °C.* 0.869 to 0.873.

[T.D. ATF-133, 48 FR 24673, June 2, 1983. Re-designated by T.D. ATF-442, 66 FR 12854, Mar. 1, 2001]

§ 21.133 Vinegar.

(a) *Vinegar, 90-grain:*

Acidity (as acetic acid). 9.0 percent by weight, minimum.

(b) *Vinegar, 60-grain:*

Acidity (as acetic acid). 6.0 percent by weight, minimum.

[T.D. ATF-133, 48 FR 24673, June 2, 1983. Re-designated by T.D. ATF-442, 66 FR 12854, Mar. 1, 2001]

Subpart F—Uses of Specially Denatured Alcohol and Specially Denatured Rum

§ 21.141 List of products and processes using specially denatured alcohol and rum, and formulas authorized therefor.

This section lists, alphabetically by product or process, formulas of specially denatured alcohol authorized for use in those products or processes, and lists the code numbers assigned thereto. Specially denatured rum, as well as specially denatured alcohol, may be used in tobacco sprays and flavors, Code No. 460, under Formula No. 4.

USES OF SPECIALLY DENATURED ALCOHOL¹

Product or process	Code No.	Formulas authorized
Biocides, miscellaneous	410	1, 3-A, 3-B, 3-C, 23-A, 23-H, 27-A, 27-B, 30, 37, 38-B, 39-B, 40, 40-A, 40-B, 40-C.
Blood and blood products (processing).	345	1, 3-A, 3-C, 12-A, 13-A, 23-A, 30.
Brake fluids	720	1, 3-A, 3-C.
Candy glazes	015	13-A, 23-A, 35, 35-A, 45.
Cellulose coatings	011	1, 3-A, 3-C, 23-A, 30.
Cellulose compounds (dehydration).	311	1, 2-B, 3-A, 3-C, 32.
Cellulose intermediates	034	1, 3-A, 3-C, 13-A, 19, 23-A, 32.
Chemicals (miscellaneous).	579	1, 2-B, 2-C, 3-A, 3-C, 6-B, 12-A, 13-A, 17, 20, 29, 30, 32, 36.
Cleaning solutions	450	1, 3-A, 3-C, 23-A, 23-H, 30, 36, 39-B, 40, 40-A, 40-B, 40-C.
Coatings, miscellaneous	016	1, 3-A, 3-C, 23-A.
Collodions, industrial	034	1, 3-A, 3-C, 13-A, 19, 23-A, 32.
Collodion, U.S.P.	241	13-A, 19, 32.
Colognes	122	38-B, 39, 39-A, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Crude drugs (processing).	341	1, 2-B, 3-A, 3-C, 23-A, 30.
Cutting oils	730	1, 3-A, 3-C.
Dehydration products, miscellaneous.	315	1, 2-B, 3-A, 3-C.
Dentifrices	131	31-A, 37, 38-B, 38-C, 38-D.
Deodorants (body)	114	23-A, 38-B, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Detergents, household	450	1, 3-A, 3-C, 23-A, 23-H, 30, 36, 39-B, 40, 40-A, 40-B, 40-C.
Detergents, industrial ...	440	1, 3-A, 3-C, 23-A, 30.
Detonators	574	1, 6-B.
Disinfectants	410	1, 3-A, 3-B, 3-C, 23-A, 23-H, 27-A, 27-B, 30, 37, 38-B, 39-B, 40, 40-A, 40-B, 40-C.
Drugs and medicinal chemicals.	575	1, 2-B, 2-C, 3-A, 3-C, 6-B, 12-A, 13-A, 17, 29, 30, 32.
Drugs, miscellaneous (processing).	349	1, 2-B, 3-A, 3-C, 13-A, 23-A, 30, 35-A, 38-B.
Duplicating fluids	485	1, 3-A, 3-C, 30.
Dyes and intermediates	540	1, 2-B, 2-C, 3-A, 3-C, 12-A, 29, 36.
Dyes and intermediates (processing).	351	1, 2-B, 3-A, 3-C, 12-A.
Dye solutions, miscellaneous.	482	1, 3-A, 3-C, 23-A, 30.
Embalming fluids, etc ...	420	1, 3-A, 3-C, 22, 23-A.
Esters, ethyl (miscellaneous).	523	1, 2-B, 2-C, 6-B, 12-A, 13-A, 29, 32, 35-A.
Ether, ethyl	561	1, 2-B, 13-A, 29, 32.
Ethers, miscellaneous ..	562	1, 2-B, 13-A, 29, 32.
Ethyl acetate	521	1, 2-B, 29, 35-A.
Ethylamines	530	1, 2-B, 2-C, 3-A, 3-C, 12-A, 29, 36.
Ethyl chloride	522	1, 2-B, 29, 32.
Ethylene dibromide	571	1, 2-B, 29, 32.
Ethylene gas	572	1, 2-B, 29, 32.
Explosives	033	1, 2-B, 3-A, 3-C.

Alcohol and Tobacco Tax and Trade Bureau, Treasury
§ 21.141
**USES OF SPECIALLY DENATURED ALCOHOL¹—
Continued**

Product or process	Code No.	Formulas authorized	Product or process	Code No.	Formulas authorized
External pharmaceuticals, not U.S.P. or N.F.	210	23-A, 23-F, 23-H, 27, 27-A, 27-B, 33, 36, 37, 38-B, 38-F, 39-B, 40, 40-A, 40-B, 40-C.	Pectin (processing)	331	1, 2-B, 3-A, 3-C, 13-A, 23-A, 30, 35-A.
External pharmaceuticals, miscellaneous, U.S.P. or N.F.	249	23-A, 25, 25-A, 33, 38-B, 40-B.	Perfume materials (processing).	352	1, 2-B, 3-A, 3-C, 12-A, 13-A, 30.
Fluid uses, miscellaneous.	750	1, 3-A, 3-C, 23-A, 30.	Perfumes and perfume tinctures.	121	38-B, 39, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Food products, miscellaneous (processing).	332	1, 2-B, 3-A, 3-C, 13-A, 23-A, 30, 32, 35-A.	Petroleum products	320	1, 2-B, 3-A, 3-C.
Fuel uses, miscellaneous.	630	1, 3-A, 3-C, 28-A.	Photoengraving dyes and solutions.	481	1, 3-A, 3-C, 13-A, 30, 32.
Fuels, airplane and supplementary.	612	1, 3-A, 3-C, 28-A.	Photographic chemicals (processing).	353	1, 2-B, 3-A, 3-C, 13-A, 30.
Fuels, automobile and supplementary.	611	1, 3-A, 3-C, 28-A.	Photographic film and emulsions.	031	1, 2-B, 3-A, 3-C, 13-A, 19, 30, 32.
Fuels, proprietary heating.	620	1, 3-A, 3-C, 28-A.	Pill and tablet manufacture.	349	1, 2-B, 3-A, 3-C, 13-A, 23-A, 30, 35-A, 38-B.
Fuels, rocket and jet	613	1, 3-A, 3-C, 28-A.	Plastics, cellulose	021	1, 2-B, 3-A, 3-C, 12-A, 13-A, 30.
Fungicides	410	1, 3-A, 3-B, 3-C, 23-A, 23-H, 27-A, 27-B, 30, 37, 38-B, 39-B, 40, 40-A, 40-B, 40-C.	Plastics, non-cellulose (including resins).	022	1, 2-B, 3-A, 3-C, 12-A, 13-A, 30.
Glandular products (processing).	342	1, 2-B, 3-A, 3-C, 12-A, 13-A, 23-A, 30, 32, 35-A.	Polishes	051	1, 3-A, 3-C, 30.
Hair and scalp preparations.	111	3-B, 23-A, 23-F, 23-H, 37, 38-B, 39, 39-A, 39-B, 39-C, 39-D, 40, 40-A, 40-B, 40-C.	Preserving solutions	430	1, 3-A, 3-C, 12-A, 13-A, 22, 23-A, 30, 32, 37, 38-B, 42, 44.
Hormones (processing)	342	1, 2-B, 3-A, 3-C, 12-A, 13-A, 23-A, 30, 32, 35-A.	Product development and pilot plant (own use only).	812	All formulas.
Incense	470	3-A, 3-C, 22, 37, 38-B, 39-B, 39-C, 40, 40-A, 40-B, 40-C.	Proprietary solvents	041	1, 3-A.
Inks	052	1, 3-A, 3-C, 13-A, 23-A, 30, 32, 33.	Refrigerating uses	740	1, 3-A, 3-C, 23-A, 30.
Insecticides	410	1, 3-A, 3-B, 3-C, 23-A, 23-H, 27-A, 27-B, 30, 37, 38-B, 39-B, 40, 40-A, 40-B, 40-C.	Resin coatings, natural.	014	1, 23-A.
Iodine solutions (including U.S.P. and N.F. tinctures).	230	25, 25-A.	Resin coatings, synthetic.	012	1, 3-A, 3-C, 23-A, 30.
Laboratory reagents (for sale).	811	3-A, 3-C, 30.	Resins, synthetic	590	3-A, 3-C, 29, 30, 35-A.
Laboratory uses, general (own use only).	810	3-A, 3-C, 30.	Room deodorants	470	3-A, 3-C, 22, 37, 38-B, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Lacquer thinners	042	1, 23-A.	Rosin (processing)	354	1, 3-A, 3-C, 12-A.
Liniments, U.S.P. or N.F.	243	27, 27-B, 38-B.	Rotogravure dyes and solutions.	481	1, 3-A, 3-C, 13-A, 30, 32.
Lotions and creams (body, face, and hand).	113	23-A, 23-H, 31-A, 37, 38-B, 39, 39-B, 39-C, 40, 40-A, 40-B, 40-C.	Rubber (latex) (processing).	355	1, 3-A, 3-C.
Medicinal chemicals (processing).	344	1, 2-B, 2-C, 3-A, 3-C, 12-A, 13-A, 17, 23-A, 30, 32, 35-A.	Rubber, synthetic	580	29, 32.
Miscellaneous chemicals (processing).	358	1, 2-B, 2-C, 3-A, 3-C, 12-A, 13-A, 17, 23-A, 30, 35-A.	Rubbing alcohol	220	23-H.
Miscellaneous products (processing).	359	1, 2-B, 2-C, 3-A, 3-C, 12-A, 13-A, 17, 23-A, 30, 35-A.	Scientific instruments ...	710	1, 3-A, 3-C.
Mouth washes	132	37, 38-B, 38-C, 38-D, 38-F.	Shampoos	141	1, 3-A, 3-B, 3-C, 23-A, 27-B, 31-A, 36, 38-B, 39-A, 39-B, 40, 40-A, 40-B, 40-C.
Organic-silicone products.	576	2-B, 3-A, 3-C, 30.	Shellac coatings	013	1, 23-A.
			Soaps, industrial	440	1, 3-A, 3-C, 23-A, 30.
			Soaps, toilet	142	1, 3-A, 3-C, 23-A, 30, 36, 38-B, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
			Sodium ethylate, anhydrous (restricted).	524	2-B.
			Sodium hydrosulfite (dehydration).	312	1, 2-B, 3-A, 3-C.
			Soldering flux	035	1, 3-A, 3-C, 23-A, 30.
			Solutions, miscellaneous.	485	1, 3-A, 3-C, 23-A, 30, 40-C.
			Solvents and thinners (other than proprietary solvents or special industrial solvents).	042	1, 23-A, 30.
			Solvents, special (restricted sale).	043	1, 3-A, 3-C.
			Stains (wood)	053	1, 3-A, 3-C, 23-A, 30.
			Sterilizing solutions	430	1, 3-A, 3-C, 12-A, 13-A, 22, 23-A, 30, 32, 37, 38-B, 42, 44.

§21.151

USES OF SPECIALLY DENATURED ALCOHOL¹—Continued

Product or process	Code No.	Formulas authorized
Theater sprays	470	3-A, 3-C, 22, 37, 38-B, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Tobacco sprays and flavors.	460	4.
Toilet waters	122	38-B, 39, 39-A, 39-B, 39-C, 40, 40-A, 40-B, 40-C.
Transparent sheetings ..	032	1, 2-B, 3-A, 3-C, 13-A, 23-A.
Unclassified uses ²	900	1, 3-A, 3-C.
Vaccine (processing)	343	1, 2-B, 3-A, 3-C, 12-A, 13-A, 23-A, 30, 32, 35-A.
Vinegar	511	18, 29, 35-A.
Vitamins (processing) ...	342	1, 2-B, 3-A, 3-C, 12-A, 13-A, 23-A, 30, 32, 35-A.
Xanthates	573	1, 2-B, 29.
Yeast (processing)	342	1, 2-B, 3-A, 3-C, 12-A, 13-A, 23-A, 30, 32, 35-A.

¹ Other products or processes may be authorized under §21.31(c).

² Persons desiring other formulas for this use should indicate the fact in the space provided for this purpose on TTB Form 5150.19.

[T.D. ATF-133, 48 FR 24673, June 2, 1983, as amended by T.D. ATF-199, 50 FR 9183, Mar. 6, 1985; T.D. ATF-435, 66 FR 5475, Jan. 19, 2001; T.D. ATF-442, 66 FR 11854, Mar. 1, 2001]

Subpart G—Denaturants Authorized for Denatured Spirits

§21.151 List of denaturants authorized for denatured spirits.

Following is an alphabetical listing of denaturants authorized for use in denatured spirits:

DENATURANTS AUTHORIZED FOR COMPLETELY DENATURED ALCOHOL (C.D.A.), SPECIALLY DENATURED ALCOHOL (S.D.A.), AND SPECIALLY DENATURED RUM (S.D.R.)

Acetaldehyde	S.D.A. 29.	
Acetone, U.S.P	S.D.A. 23-A, 23-H.	
Acetalddol	C.D.A. 18.	
Almond oil, bitter, N.F.X	S.D.A. 38-B.	
Alpha Terpineol	S.D.A. 38.	
Ammonia, aqueous	S.D.A. 36.	
Ammonia solution, strong, N.F	S.D.A. 36.	
Anethole, N.F	S.D.A. 38-B.	
Anise oil, N.F	S.D.A. 38-B.	
Bay oil (myrcia oil), N.F.XI	S.D.A. 23-F, 38-B, 39-D.	
Benzaldehyde, N.F	S.D.A. 38-B.	
Benzene	S.D.A. 2-B, 2-C, 12-A.	
Bergamot oil, N.F.XI	S.D.A. 23-F, 38-B.	
Bone oil (Dipple's oil)	S.D.A. 17.	
Boric acid, N.F	S.D.A. 38-F.	
Brucine alkaloid	S.D.A. 40.	
Brucine sulfate, N.F.IX	S.D.A. 40.	
n-Butyl alcohol	S.D.A. 44.	
tert-Butyl alcohol	S.D.A. 39, 39-A, 39-B, 40, 40-A, 40-B, 40-C.	
Camphor, U.S.P	S.D.A. 27, 27-A, 38-B.	
Caustic soda, liquid	S.D.A. 36.	
Cedar leaf oil, U.S.P.XIII	S.D.A. 38-B.	
Chloroform	S.D.A. 20.	
Chlorothymol, N.F.XII	S.D.A. 38-B, 38-F.	
Cinchonidine	S.D.A. 39-A.	
Cinchonidine sulfate, N.F.IX	S.D.A. 39-A.	
Cinnamic aldehyde (cinnamaldehyde), N.F.IX.	S.D.A. 38-B.	
Cinnamon oil, N.F	S.D.A. 38-B.	
Citronella oil, natural	S.D.A. 38-B.	
Clove oil, N.F	S.D.A. 27-A, 38-B.	
Coal tar, U.S.P	S.D.A. 38-B.	
Denatonium benzoate, N.F.	S.D.A. 1, 40-B.	
Diethyl phthalate	S.D.A. 39-B, 39-C.	
Ethyl acetate	S.D.A. 29, 35, 35-A.	
Ethyl ether	S.D.A. 13-A, 19, 32.	
Eucalyptol, N.F.XII	S.D.A. 37, 38-B.	
Eucalyptus oil, N.F	S.D.A. 38-B.	
Eugenol, U.S.P	S.D.A. 38-B.	
Formaldehyde solution, U.S.P.	S.D.A. 22, 38-C, 38-D.	
Gasoline	S.D.A. 18, 19; S.D.A. 28-A.	
Gasoline, unleaded	C.D.A. 18, 19, 20; S.D.A. 28-A.	
Gentian violet	S.D.A. 33.	
Gentian violet, U.S.P	S.D.A. 33.	
Glycerin (Glycerol), U.S.P	S.D.A. 31-A.	
Green soap, U.S.P	S.D.A. 27-B.	
Guaiacol, N.F.X	S.D.A. 38-B.	
Heptane	C.D.A. 18, 19; S.D.A. 2-B, 28-A.	
Hydrochloric acid, N.F	S.D.A. 38-F.	
Iodine, U.S.P	S.D.A. 25, 25-A.	
Isopropyl alcohol	S.D.A. 3-C.	
Kerosene	C.D.A. 18, 19, 20.	
Kerosene (deodorized)	C.D.A. 18, 19, 20.	
Lavender oil, N.F	S.D.A. 27-B, 38-B.	
Menthol, U.S.P	S.D.A. 37, 38-B, 38-C, 38-D, 38-F.	
Mercuric iodide, red, N.F.XI	S.D.A. 42.	
Methyl alcohol	S.D.A. 1, 3-A, 30.	
Methylene blue, U.S.P	S.D.A. 4; S.D.R. 4.	
Methyl isobutyl ketone	C.D.A. 18, 19; S.D.A. 1, 23-H.	
Methyl n-butyl ketone	C.D.A. 18, 19; S.D.A. 1.	
Methyl salicylate, N.F	S.D.A. 38-B, 46.	
Mustard oil, volatile (allyl isothiocyanate), U.S.P.XII.	S.D.A. 38-B.	
Nicotine solution	S.D.A. 4; S.D.R. 4.	
Nitropropane, mixed isomers of	C.D.A. 18, 19; S.D.A. 1.	
Peppermint oil, N.F	S.D.A. 38-B.	
Phenol, U.S.P	S.D.A. 38-B, 46.	
Phenyl mercuric benzoate	S.D.A. 42.	
Phenyl mercuric chloride, N.F.IX	S.D.A. 42.	
Phenyl mercuric nitrate, N.F	S.D.A. 42.	
Phenyl salicylate (salol), N.F.XI	S.D.A. 38-B.	
Pine needle oil, dwarf, N.F.	S.D.A. 38-B.	
Pine oil, N.F.	S.D.A. 38-B.	
Pine tar, U.S.P.	S.D.A. 3-B.	
Polysorbate 80, N.F.	S.D.A. 38-F.	
Potassium iodide, U.S.P.	S.D.A. 25, 25-A, 42.	
Pyridine bases	S.D.A. 6-B.	
Pyronate	C.D.A. 18.	
Quassia, fluid extract, N.F.VII	S.D.A. 39.	
Quassin	S.D.A. 40.	
Quinine, N.F.X	S.D.A. 39-A.	
Quinine bisulfate, N.F.XI	S.D.A. 39-A, 39-D.	